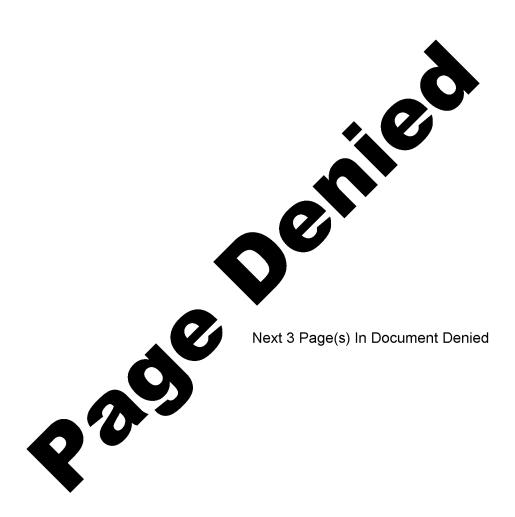
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Features of the Organization of Communications of the Ground Forces In Operations During a Non-Nuclear Period of Warfare

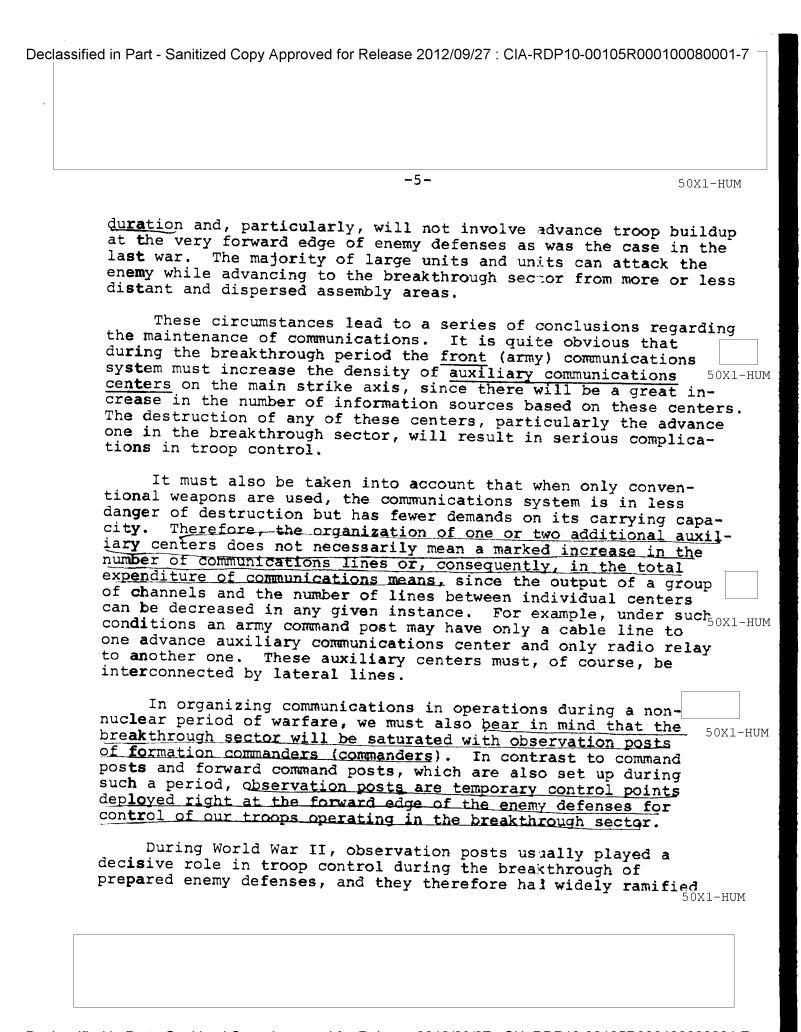
by Colonel B. Dudnik Doctor of Military Sciences

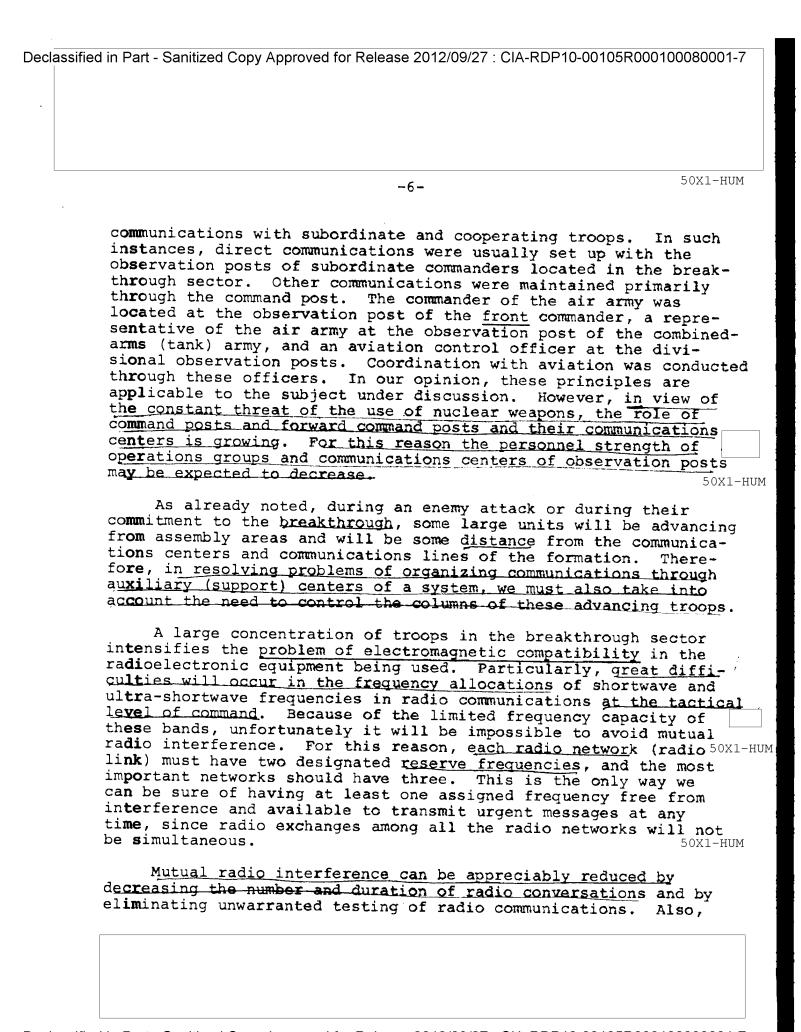
Research into the problems of conducting combat operations and warfare in general, in which only conventional means of destruction are used but where there is the constant threat of nuclear weapons, shows that under these conditions the planning and preparation of operations by ground troops must be conducted according to two variants: one in which nuclear weapons are used (from the beginning of the operation or introduced during combat actions), and one in which nuclear weapons are not used. This has an effect on how we solve the problems of supporting such operations, including the organization of communications.

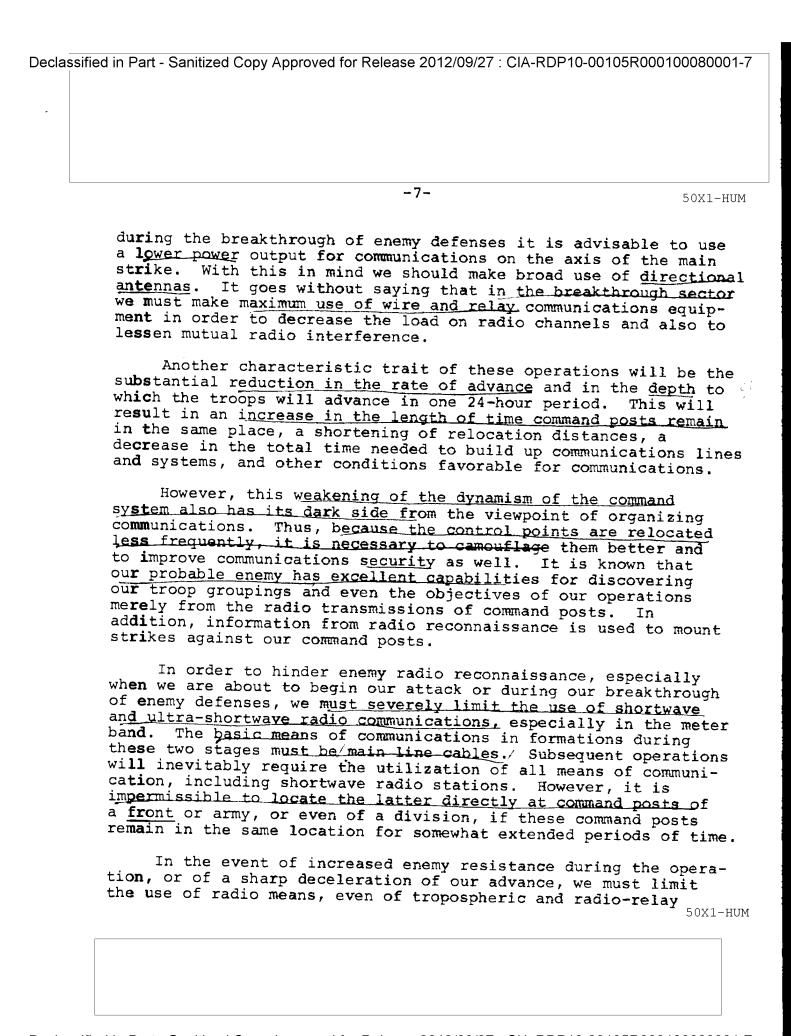
Actually, even if combat actions begin with conventional means only, communications must be planned and deployed with regard to the nuclear variant, since the reorganization of communications, upon learning of a direct nuclear threat or after a surprise enemy nuclear attack, would take longer than would the dispersal of troops and the relocation of command posts to new areas. In other words, to support the control of combat actions of ground forces in which only conventional weapons are used, we must build a communications system capable of fulfilling its functions, without basic changes, during the regrouping of troops and under conditions of nuclear warfare. Needless to say, this refers not only to the structure of the communications system but also to the entire complex of organizational-technical and defensive measures necessary to keep the system effective.

The experience of World War II showed that it is impossible to break through prepared enemy defenses without creating a definite quantitative and qualitative superiority of our own forces and weapons in the breakthrough sector. This principle is undoubtedly valid for operations in modern warfare as well. At the same time, it cannot be overlooked that the heavy concentration of troops in a narrow zone of the front can lead to great losses if the enemy uses nuclear weapons. It can therefore be expected that the process of troop concentration will be of much shorter

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of wire communications of wire communications which only conventional constant threat of a su with their role in oper stance must be taken in	d at the army level, and It is not difficult to will increase markedly i l weapons are used, but i urprise enemy nuclear str rations in nuclear warfar nto account in working ou s of formations and large	o see that the role in operations in in which there is rike (in comparison).* This circum it T/O&E questions
cations with rocket lantional means of destructional means of destructions. The can be used to mean the compact of the compact	t task is to maintain relarge units and units. When the cition are used, these large ount strikes against the Another possible way of ready to mount a nuclear we" state and relocating hind advancing motorized in this case, the system is (units) will be deployed the consure its survivience.	en only conven- tige units and enemy with tile using rocket tile strike while from one position rifle and tank to of communication ed on all lines.
particular characterist very probable that the as our troops enter the The use of these nuclea the beginning of a gene	shall turn our attention ic of the operations und enemy will use nuclear le line of his prepared nuar means (whether or not eral nuclear war) will be great influence on the partions of our troops.	der review. It is and mines as soon clear mine obstactit coincides with a very serious
we must allow for the pactive contamination whand use cable lines and well. Nor can we ignor	to communications person cossibility of extensive eich will make it more did, in some areas, radio-re the effect of electrom ons of nuclear land mine	zones of radio- fficult to constr elay lines as agnetic impulses
		50X.
* The above discussion with their actual techn	refers to existing means	of communication

